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0806

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ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/099,895

DATE: 08/09/2002 p.b  
TIME: 14:44:49

Input Set : A:\Sequence Listing (ASCII copy).txt

Output Set: N:\CRF4\08092002\J099895.raw

3 <110> APPLICANT: BERNDT, Michael C  
4 STOMSKI, Frank C  
5 LOPEZ, Angel F  
6 GUTHRIDGE, Mark A  
8 <120> TITLE OF INVENTION: A BINDING MOTIF OF A RECEPTOR  
10 <130> FILE REFERENCE: 3991/0K379  
12 <140> CURRENT APPLICATION NUMBER: US 10/099,895  
13 <141> CURRENT FILING DATE: 2002-03-14  
15 <150> PRIOR APPLICATION NUMBER: PCT/AU00/01118  
16 <151> PRIOR FILING DATE: 2000-09-15  
18 <160> NUMBER OF SEQ ID NOS: 47  
20 <170> SOFTWARE: PatentIn version 3.1  
22 <210> SEQ ID NO: 1  
23 <211> LENGTH: 897  
24 <212> TYPE: PRT  
25 <213> ORGANISM: Homo sapiens  
27 <400> SEQUENCE: 1  
29 Met Val Leu Ala Gln Gly Leu Leu Ser Met Ala Leu Leu Ala Leu Cys  
30 1 5 10 15  
33 Trp Glu Arg Ser Leu Ala Gly Ala Glu Glu Thr Ile Pro Leu Gln Thr  
34 20 25 30  
37 Leu Arg Cys Tyr Asn Asp Tyr Thr Ser His Ile Thr Cys Arg Trp Ala  
38 35 40 45  
41 Asp Thr Gln Asp Ala Gln Arg Leu Val Asn Val Thr Leu Ile Arg Arg  
42 50 55 60  
45 Val Asn Glu Asp Leu Leu Glu Pro Val Ser Cys Asp Leu Ser Asp Asp  
46 65 70 75 80  
49 Met Pro Trp Ser Ala Cys Pro His Pro Arg Cys Val Pro Arg Arg Cys  
50 85 90 95  
53 Val Ile Pro Cys Gln Ser Phe Val Val Thr Asp Val Asp Tyr Phe Ser  
54 100 105 110  
57 Phe Gln Pro Asp Arg Pro Leu Gly Thr Arg Leu Thr Val Thr Leu Thr  
58 115 120 125  
61 Gln His Val Gln Pro Pro Glu Pro Arg Asp Leu Gln Ile Ser Thr Asp  
62 130 135 140  
65 Gln Asp His Phe Leu Leu Thr Trp Ser Val Ala Leu Gly Ser Pro Gln  
66 145 150 155 160  
69 Ser His Trp Leu Ser Pro Gly Asp Leu Glu Phe Glu Val Val Tyr Lys  
70 165 170 175  
73 Arg Leu Gln Asp Ser Trp Glu Asp Ala Ala Ile Leu Leu Ser Asn Thr  
74 180 185 190  
77 Ser Gln Ala Thr Leu Gly Pro Glu His Leu Met Pro Ser Thr Tyr  
78 195 200 205

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81 Val Ala Arg Val Arg Thr Arg Leu Ala Pro Gly Ser Arg Leu Ser Gly  
82 210 215 220  
85 Arg Pro Ser Lys Trp Ser Pro Glu Val Cys Trp Asp Ser Gln Pro Gly  
86 225 230 235 240  
89 Asp Glu Ala Gln Pro Gln Asn Leu Glu Cys Phe Phe Asp Gly Ala Ala  
90 245 250 255  
93 Val Leu Ser Cys Ser Trp Glu Val Arg Lys Glu Val Ala Ser Ser Val  
94 260 265 270  
97 Ser Phe Gly Leu Phe Tyr Lys Pro Ser Pro Asp Ala Gly Glu Glu Glu  
98 275 280 285  
101 Cys Ser Pro Val Leu Arg Glu Gly Leu Gly Ser Leu His Thr Arg His  
102 290 295 300  
105 His Cys Gln Ile Pro Val Pro Asp Pro Ala Thr His Gly Gln Tyr Ile  
106 305 310 315 320  
109 Val Ser Val Gln Pro Arg Arg Ala Glu Lys His Ile Lys Ser Ser Val  
110 325 330 335  
113 Asn Ile Gln Met Ala Pro Pro Ser Leu Asn Val Thr Lys Asp Gly Asp  
114 340 345 350  
117 Ser Tyr Ser Leu Arg Trp Glu Thr Met Lys Met Arg Tyr Glu His Ile  
118 355 360 365  
121 Asp His Thr Phe Glu Ile Gln Tyr Arg Lys Asp Thr Ala Thr Trp Lys  
122 370 375 380  
125 Asp Ser Lys Thr Glu Thr Leu Gln Asn Ala His Ser Met Ala Leu Pro  
126 385 390 395 400  
129 Ala Leu Glu Pro Ser Thr Arg Tyr Trp Ala Arg Val Arg Val Arg Thr  
130 405 410 415  
133 Ser Arg Thr Gly Tyr Asn Gly Ile Trp Ser Glu Trp Ser Glu Ala Arg  
134 420 425 430  
137 Ser Trp Asp Thr Glu Ser Val Leu Pro Met Trp Val Leu Ala Leu Ile  
138 435 440 445  
141 Val Ile Phe Leu Thr Ile Ala Val Leu Leu Ala Leu Arg Phe Cys Gly  
142 450 455 460  
145 Ile Tyr Gly Tyr Arg Leu Arg Arg Lys Trp Glu Glu Lys Ile Pro Asn  
146 465 470 475 480  
149 Pro Ser Lys Ser His Leu Phe Gln Asn Gly Ser Ala Glu Leu Trp Pro  
150 485 490 495  
153 Pro Gly Ser Met Ser Ala Phe Thr Ser Gly Ser Pro Pro His Gln Gly  
154 500 505 510  
157 Pro Trp Gly Ser Arg Phe Pro Glu Leu Glu Gly Val Phe Pro Val Gly  
158 515 520 525  
161 Phe Gly Asp Ser Glu Val Ser Pro Leu Thr Ile Glu Asp Pro Lys His  
162 530 535 540  
165 Val Cys Asp Pro Pro Ser Gly Pro Asp Thr Thr Pro Ala Ala Ser Asp  
166 545 550 555 560  
169 Leu Pro Thr Glu Gln Pro Pro Ser Pro Gln Pro Gly Pro Pro Ala Ala  
170 565 570 575  
173 Ser His Thr Pro Glu Lys Gln Ala Ser Ser Phe Asp Phe Asn Gly Pro  
174 580 585 590  
177 Tyr Leu Gly Pro Pro His Ser Arg Ser Leu Pro Asp Ile Leu Gly Gln

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```
178          595          600          605
181 Pro Glu Pro Pro Gln Glu Gly Gly Ser Gln Lys Ser Pro Pro Pro Gly
182          610          615          620
185 Ser Leu Glu Tyr Leu Cys Leu Pro Ala Gly Gly Gln Val Gln Leu Val
186 625          630          635          640
189 Pro Leu Ala Gln Ala Met Gly Pro Gly Gln Ala Val Glu Val Glu Arg
190          645          650          655
193 Arg Pro Ser Gln Gly Ala Ala Gly Ser Pro Ser Leu Glu Ser Gly Gly
194          660          665          670
197 Gly Pro Ala Pro Pro Ala Leu Gly Pro Arg Val Gly Gly Gln Asp Gln
198          675          680          685
201 Lys Asp Ser Pro Val Ala Ile Pro Met Ser Ser Gly Asp Thr Glu Asp
202          690          695          700
205 Pro Gly Val Ala Ser Gly Tyr Val Ser Ser Ala Asp Leu Val Phe Thr
206 705          710          715          720
209 Pro Asn Ser Gly Ala Ser Ser Val Ser Leu Val Pro Ser Leu Gly Leu
210          725          730          735
213 Pro Ser Asp Gln Thr Pro Ser Leu Cys Pro Gly Leu Ala Ser Gly Pro
214          740          745          750
217 Pro Gly Ala Pro Gly Pro Val Lys Ser Gly Phe Glu Gly Tyr Val Glu
218          755          760          765
221 Leu Pro Pro Ile Glu Gly Arg Ser Pro Arg Ser Pro Arg Asn Asn Pro
222          770          775          780
225 Val Pro Pro Glu Ala Lys Ser Pro Val Leu Asn Pro Gly Glu Arg Pro
226 785          790          795          800
229 Ala Asp Val Ser Pro Thr Ser Pro Gln Pro Glu Gly Leu Leu Val Leu
230          805          810          815
233 Gln Gln Val Gly Asp Tyr Cys Phe Leu Pro Gly Leu Gly Pro Gly Pro
234          820          825          830
237 Leu Ser Leu Arg Ser Lys Pro Ser Ser Pro Gly Pro Gly Pro Glu Ile
238          835          840          845
241 Lys Asn Leu Asp Gln Ala Phe Gln Val Lys Lys Pro Pro Gly Gln Ala
242          850          855          860
245 Val Pro Gln Val Pro Val Ile Gln Leu Phe Lys Ala Leu Lys Gln Gln
246 865          870          875          880
249 Asp Tyr Leu Ser Leu Pro Pro Trp Glu Val Asn Lys Pro Gly Glu Val
250          885          890          895
```

253 Cys

257 &lt;210&gt; SEQ ID NO: 2

258 &lt;211&gt; LENGTH: 3

259 &lt;212&gt; TYPE: PRT

260 &lt;213&gt; ORGANISM: Homo sapiens

262 &lt;220&gt; FEATURE:

263 &lt;221&gt; NAME/KEY: VARIANT

264 &lt;222&gt; LOCATION: (3)..(3)

265 &lt;223&gt; OTHER INFORMATION: alternative "T"

268 &lt;220&gt; FEATURE:

269 &lt;221&gt; NAME/KEY: MISC\_FEATURE

270 &lt;222&gt; LOCATION: (2)..(2)

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Input Set : A:\Sequence Listing (ASCII copy).txt

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271 <223> OTHER INFORMATION: "X" is any amino acid  
274 <400> SEQUENCE: 2  
W--> 276 Ser Xaa Ser  
277 1  
280 <210> SEQ ID NO: 3  
281 <211> LENGTH: 6  
282 <212> TYPE: PRT  
283 <213> ORGANISM: Homo sapiens  
285 <220> FEATURE:  
286 <221> NAME/KEY: MISC\_FEATURE  
287 <222> LOCATION: (3)..(3)  
288 <223> OTHER INFORMATION: "X" is any amino acid  
291 <220> FEATURE:  
292 <221> NAME/KEY: MISC\_FEATURE  
293 <222> LOCATION: (5)..(5)  
294 <223> OTHER INFORMATION: "X" is any amino acid  
297 <220> FEATURE:  
298 <221> NAME/KEY: VARIANT  
299 <222> LOCATION: (4)..(4)  
300 <223> OTHER INFORMATION: alternative T  
303 <400> SEQUENCE: 3  
W--> 305 Arg Ser Xaa Ser Xaa Pro  
306 1 5  
309 <210> SEQ ID NO: 4  
310 <211> LENGTH: 6  
311 <212> TYPE: PRT  
312 <213> ORGANISM: Homo sapiens  
314 <400> SEQUENCE: 4  
316 His Ser Arg Ser Leu Pro  
317 1 5  
320 <210> SEQ ID NO: 5  
321 <211> LENGTH: 5  
322 <212> TYPE: PRT  
323 <213> ORGANISM: Homo sapiens  
325 <400> SEQUENCE: 5  
327 Ser Ser Ser Arg Pro  
328 1 5  
331 <210> SEQ ID NO: 6  
332 <211> LENGTH: 5  
333 <212> TYPE: PRT  
334 <213> ORGANISM: Homo sapiens  
336 <400> SEQUENCE: 6  
338 Ser Asn Ser Lys Pro  
339 1 5  
342 <210> SEQ ID NO: 7  
343 <211> LENGTH: 5  
344 <212> TYPE: PRT  
345 <213> ORGANISM: Homo sapiens  
347 <400> SEQUENCE: 7

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Input Set : A:\Sequence Listing (ASCII copy).txt

Output Set: N:\CRF4\08092002\J099895.raw

349 Ser Asp Ser Ser Pro  
350 1 5  
353 <210> SEQ ID NO: 8  
354 <211> LENGTH: 5  
355 <212> TYPE: PRT  
356 <213> ORGANISM: Homo sapiens  
358 <400> SEQUENCE: 8  
360 Ser Ile Ser Ala Pro  
361 1 5  
364 <210> SEQ ID NO: 9  
365 <211> LENGTH: 5  
366 <212> TYPE: PRT  
367 <213> ORGANISM: Homo sapiens  
369 <400> SEQUENCE: 9  
371 Ser Leu Ser Leu Pro  
372 1 5  
375 <210> SEQ ID NO: 10  
376 <211> LENGTH: 5  
377 <212> TYPE: PRT  
378 <213> ORGANISM: Homo sapiens  
380 <400> SEQUENCE: 10  
382 Ser Ala Ser Thr Pro  
383 1 5  
386 <210> SEQ ID NO: 11  
387 <211> LENGTH: 5  
388 <212> TYPE: PRT  
389 <213> ORGANISM: Homo sapiens  
391 <400> SEQUENCE: 11  
393 Ser Pro Ser Phe Pro  
394 1 5  
397 <210> SEQ ID NO: 12  
398 <211> LENGTH: 5  
399 <212> TYPE: PRT  
400 <213> ORGANISM: Homo sapiens  
402 <400> SEQUENCE: 12  
404 Ser Asn Ser Gln Pro  
405 1 5  
408 <210> SEQ ID NO: 13  
409 <211> LENGTH: 5  
410 <212> TYPE: PRT  
411 <213> ORGANISM: Homo sapiens  
413 <400> SEQUENCE: 13  
415 Ser Val Ser Ser Pro  
416 1 5  
419 <210> SEQ ID NO: 14  
420 <211> LENGTH: 5  
421 <212> TYPE: PRT  
422 <213> ORGANISM: Homo sapiens  
424 <400> SEQUENCE: 14

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/099,895

DATE: 08/09/2002  
TIME: 14:44:50

Input Set : A:\Sequence Listing (ASCII copy).txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 2  
Seq#:3; Xaa Pos. 3,5  
Seq#:46; Xaa Pos. 2,3

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/099,895

DATE: 08/09/2002

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Input Set : A:\S quence Listing (ASCII copy).txt

Output Set: N:\CRF4\08092002\J099895.raw

L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:1373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0